=> b reg
FILE 'REGISTRY' ENTERED AT 21:35:21 ON 08 JAN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 7 JAN 2008 HIGHEST RN 960112-28-1 DICTIONARY FILE UPDATES: 7 JAN 2008 HIGHEST RN 960112-28-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

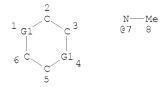
Please note that search-term pricing does apply when conducting ${\tt SmartSELECT}$ searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> d que sta 114

L10 958692 SEA FILE=REGISTRY ABB=ON PLU=ON 46.383.1/RID L12 STR



VAR G1=NH/7 NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 8

STEREO ATTRIBUTES: NONE L14 10973 SEA FILE=REGISTRY SUB=L10 SSS FUL L12

100.0% PROCESSED 958675 ITERATIONS 10973 ANSWERS SEARCH TIME: 00.00.04

=> b hcap FILE 'HCAPLUS' ENTERED AT 21:35:40 ON 08 JAN 2008 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 8 Jan 2008 VOL 148 ISS 2 FILE LAST UPDATED: 7 Jan 2008 (20080107/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d bib abs hitstr 120 tot

```
| 120 | ANSWER 1 OF 1 HCAPLUS | COPYRIGHT 2008 ACS ON STN |
| 124:12276 | HCAPLUS |
| 124:12276 | HCAPLUS |
| 124:12276 | HIGH-PUTITY PIPERAZINE PYPOPHOSPHATE AND METHOD AND ME
```

```
L20 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on SIN (Continued)
II 52978-33-3, Piperazine diphosphate
RL: RCT (Reactant): RACT (Reactant): RAC
```

=> d bib abs hitstr 125 tot

L25 ANGMER 1 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 2005:962339 MCAPLUS
DI 1431:289125
TI Flame-retardant compositions with enhanced fluidity and flame-retardant resin composition and moldings thereof
IM Mursse, Hissshir Magahama, Masazu; Toshikawa, Kenichi; Tanaka, Yuki;
Mursse, Hissshir Magahama, Masazu; Toshikawa, Kenichi; Tanaka, Yuki;
DE PAR Asahl Denka Co., L40., Japan
50 PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DI Patent
LA Japanese
FAN: CCC MER CO., L40.
PAIENT NO. KIND DATE APPLICATION NO. DATE CRN 2466-09-3 CMF H4 07 P2

ANSWER 2 OF 18 HCAPLUS COPYRIGHT 2008 ACS on SIN 2005:222457 HCAPLUS COPYRIGHT 2008 ACS on SIN 142:2231159 Hersin compositions with good rigidity and impact and chemical resistance, and their moldings Unawatari, Massaki; Twasaki, Toshiniro Techno Polymer Co., Ltd., Japan Jpn. Kokai Tokkyo Koho, 20 pp. CODEN: HXXAEP Japanese Japanese LKNIA HERSING ANSWERS JAPANESE J DT LA FAN CM 1 CRN 2466-09-3 CMF H4 07 P2

CRN 110-85-0 CMF C4 H10 N2

125 ANSWER 1 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued) RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 3 OF 18 HCAPLUS COPYRIGHT 2008 ACS on SIN
AN 2004:695489 HCAPLUS
DN 141:226372
IF Fire-relate polymer compositions with good moldability
Price-relate polymer compositions with good moldability
Asahi Denka Kodyo K. K., Japan
D Jpn. Rokai Tokkyo Koho, 25 pp.
CODEN: JUXXAF
D Patent
LA Japanese
FAH.CNI I
PATENT NO. KIND DATE APPLICATION NO.
DI JP2004238568 PATENT NO. KIND DATE APPLICATION NO. DATE

PI JP2004239568 A 20040826 2003JP-0031132 20030207 <-PRAI 2003JP-0031132 20030207 <-08 MARPAT 141:226372 G

The compns, contain (A) phosphate salts [BO[P:O](OBIO]nH]X1p [X1] = ammonta, triarine derivative 1; E1, E2 = OM, SH, C1-10 alk(cn)vl. Ph, vinyl, e1, contained the contained triarine derivative 1; E1, E2 = OM, SH, C1-10 alk(cn)vl. Ph, vinyl, e1, contained the contained triaring tria

CM 1 CRN 2466-09-3 CMF H4 07 P2

CRN 110-85-0 CMF C4 H10 N2

RE.CNT 9

THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

CRN 110-85-0 CMF C4 H10 N2 L25 ANSWER S OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RE.CNI 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

```
Description of the state of the
```

```
| ANSWER 8 OF 18 NCAPIUS COPYRIGHT 2008 ACS on STN | 1985-59528 NCAPIUS | 1985:150354 | 103:105828 | Correction of: 1985:150354 | Co
```

```
ANSWER 7 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 1995:680777 HCAPLUS
DN 123:72596
II Insulating articles with high surface electrical resistivity and flame resistance
IN cicchectt, osvaldo; Pagliari, Alberto; Cipolli, Roberto; Bevilacqua, Alfonso
PA Hidonso
DEATH DEATH OF THE APPLICATION NO. DATE
LA ENGLISH
FAN.CNI I
PATENT NO. KIND DATE APPLICATION NO. DATE
   LA English

REAL CALEST NO. KIND DATE APPLICATION NO. DATE

PI EP---650171 A2 19950426 1994EP-0116940 19941026 <--
EP---650171 A3 19950426 1994EP-0116940 19941026 <--
EP---650171 A3 19950427 1994CA-2118340 19941018 <--
The California of the Calif
                                                         piperazine, melamine, pyrazine, pyrimidine, or hexahydropyrimidine and
their derive, piperazine acid pyrophosphate
RL: DBW (Device component use); IEM (Technical or engineered material
use); USES; (Uses)
(insulating articles with high surface resistivity and flame resistance
containing
66034-17-1 HCAPLUS Diphosphoric acid, compd. with piperazine (1:1) (CA INDEX NAME)
                                                            CM 1
                                                         CM 2
                                                            CRN 110-85-0
CMF C4 H10 N2
```

```
L25 ANSWER 10 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 1978:1906.24 HCAPLUS
B8:1906.24 CAPLUS
B8:1906.24 CAPLUS
B8:1906.24 CAPLUS
B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29976a
CAPLUS B8:29973a, 29973a
CAPLUS B8:29973a
CAPLUS B8:29973a
CAPLUS B8:29973a
CAPLUS B8:29973a
CAP
```

```
1.25 ANSWER 12 OF 18 HCAPLUS COPYRIGHT 2008 ACS on SIN
AN 1965-12989 HCAPLUS
NN 644-2989 HCAPLUS
NN 644-2989 HCAPLUS
NN 644-2989
ORDE 64:7966g-h
II The alkaloids of chinese drugs from Aconitum. VII. Thin-layer
chromatography for aconite alkaloids
AC Chu, Yaun-lung; Lu, Chih-Chen; Chu, Jen-Hung
CS Acad. Sinica, Shamghai, Peop. Rep. China
GC Acad. Sinica, Shamghai, Peop. Rep. China
GC COORN: YHEPAL: ISSN: 0513-4870
DI Journal
AC Chinese
AB cf. CA 63, 16400c. Aconitine, mesaconitine, hypaconitine, delphine,
delcosine, methyllycaconitine, and delsemine, were employed for the study
delcosine, methyllycaconitine, and delsemine, were employed for the study
delcosine, methyllycaconitine, and delsemine, were employed for the study
delcosine, methyllycaconitine, and delsemine, were employed for the study
delcosine, methyllycaconitine, and delsemine, were employed for the study
delcosine, methyllycaconitine, and delsemine, were employed for the study
delcosine, methyllycaconitine, and delsemine, were employed for the study
delcosine, methyllycaconitine, and delsemine, were employed for the study
delcosine, methyllycaconitine, and delsemine, were employed for the study
delcosine, methyllycaconitine, and delsemine, were employed for the study
delcosine, methyllycaconitine, and delsemine, were employed for the study
delcosine, methyllycaconitine, and delsemine, were employed for the study
delcosine, methyllycaconitine, and delsemine, were employed for the study
delcosine, and the study delcosine, and the study delcosine, and the study delcosine, and the study delcosine, and the study delcosine, and the study delcosine, and the study delcosine, and the study delcosine, and the study delcosine, and the study delcosine, and the study
```

```
L25 ANGMER 11 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 1974:570558 HCAPLUS
D 81:170558
OREF 81:263954, 633984
TI PIPERATINE PHOSPHATES AS fire retardants for organic polymers
FI PARTITION COMMENTS AS ASSESSED AS ASSESSED
```

```
ANSWER 13 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 1966:42988 HCAPLUS
DR 64:42988 HCAPLUS
HC
```

- ANSWER 14 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN

 AN 1966:42987 HCAPLUS

 DE 64:42987 HCAPLUS

 DE 64:42987 HCAPLUS

 DE 64:42987 HCAPLUS

 TI Spinition and flame tests of organic pharmaceutical substances

 AU Morvay, J.; Racr. l.; Gatt. L.

 Univ. Wed. Sci., Steeped. Hung.

 So Gyogyszereszet (1965), 9(12), 472-3

 CODEN: GYOGAT; ISSN: 0017-6036

 DI Journal

 Hungaria

 AB Time and (or! flame tests were conducted on 163 organic pharmaceutical compds. The combustion reaction of 19 compds. is described in some detail (mercurisalicylic acid, nicotinic acid, tamin, adrenaline, betain—HCL, Bi salts of Ca gluconate and lactate, carbanide, quinine salts, ergotamine tartarate, soluble heparin, neostigmine bromide, papaverine—HCL, rutin, K Sb tartrate, sulfamilamide, Na theobromine salicylate).
- AN 1965:438398 HCAPLUS COPYRIGHT 2008 ACS on STN
 AN 1965:438398 HCAPLUS
 DN 63:38398 GAPLUS
 SNEE 63:6800a-C
 TI Anthelmintic tablets
 TI Anthelmintic tablets
 TI Anthelmintic tablets
 TI Anthelmintic tablets
 DN 66:38398
 OF FREE 63:6800a-C
 TI Anthelmintic Tablets
 TI APPLICATION NO. DATE
 THE PATENT NO. EXTRA TABLET TA

- 1.25 ANSMER 16 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN
 AN 1965:438397 RCAPLUS
 N 623:6391.
 OREF 63:6799h.6800a
 TI Medication compositions disintegrating rapidly in solutions
 IN Persson, Roll G. H.; Sjogren, John A.
 PA Aktiebolag Hassle, Apotekare Paul Nordstroms Fabriker
 SO 8 pp.
 Patent
 D Patent
 FAN CMT
 FAN CMT
 PATENT NO. KIND DATE APPLICATION NO Persison, Koil G. n., Joylen, John J. Antiebolag Hasile, Apotekare Paul Nordstrons Fabriker
 Antiebolag Hasile, Apotekare Paul Nordstrons Fabriker
 Betent
 Unavailable
 1.CNI 1
 PATENT NO. LONG APPLICATION NO. DATE
 PR--1397102 19660120 1960PR-0844547 19601121
 USE 19591213 1960PR-0844547 19601121
 Granular compns. containing a drug or food are mixed with 5% (of mixture) Ca citrate (I) and the mixts. are compressed to give tablets and pills which have good chemical resistance and disintegrate in aqueous solns. Thus, a mixture of active substance 200, I 165, potent starch 60, talc 272, Mg stearate 3, and poly(vinylpyrrolidone) 5 mg. is granulated and compressed. The procepts are 12 mg. GCLIC 101 to give a tablet while 30 inhabet (37°) in 30 s. as compared with 30 min. for a control in which I is replaced by 325 mg. lactose and 40 mg. potato starch.
- ANSWER 17 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN
 AN 1965:54367 HCAPLUS
 DN 62:54367
 DN 62:

- AN 1965:54366 RCAPLUS COPYRIGHT 2008 ACS on STN
 AN 1965:54366 RCAPLUS
 DN 62:54366 RCAPLUS
 DN 62:54366 RCAPLUS
 DN 62:54366 RCAPLUS
 DN 62:54366 RCAPLUS
 AN Beidenreich, 0.; Baumeister, L.
 AN Heidenreich, 0.; Baumeister, L.
 SUniv. Freiburg, Germany
 SO Klinische Wochenschrift (1964), 42(24), 1236-40
 CODEN: KLMORA; 1588: 0023-273
 DI JOURNAL
 AN German
 Cleaptic German
 C

```
=> => b hcao
FILE 'HCAOLD' ENTERED AT 21:37:03 ON 08 JAN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)
PRE-1967 CHEMICAL ABSTRACTS FILE WITH HOUR-BASED PRICING
FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)
This file contains CAS Registry Numbers for easy and accurate
substance identification. Title keywords, authors, patent
assignees, and patent information, e.g., patent numbers, are
now searchable from 1907-1966. TIFF images of CA abstracts
printed between 1907-1966 are available in the PAGE
display formats.
New CAS Information Use Policies, enter HELP USAGETERMS for details.
This file supports REG1stRY for direct browsing and searching of
all substance data from the REGISTRY file. Enter HELP FIRST for
more information.
=> d bib abs 123 tot
'ABS' IS NOT A VALID FORMAT FOR FILE 'HCAOLD'
The following are valid formats:
ALL ---- AN, TI, AU, PA, DT, IT, PI (default)
BIB ---- AN, TI, AU, PA, DT, PI
CAN ---- List of CA abstract numbers, no L-number headers
CBIB ---- AN, TI, AU, PA, PI
DALL ---- ALL, delimited (end of each field identified)
IND ---- Indexing data
MAX ---- Same as ALL
SAM ---- TI, IT
SCAN ---- TI, IT (random display, no answer numbers;
         SCAN must be entered on the same line as the DISPLAY,
          e.g., D SCAN or DISPLAY SCAN)
STD ---- BIB
IALL ---- ALL, indented with text labels
IBIB ---- BIB, indented with text labels
ISTD ---- STD, indented with text labels
HIT ---- Fields containing hit terms
HITIND -- IT
HITRN --- HIT RN
HITSTR -- HIT RN, its CA index name and its structure diagram
FHITSTR - First HIT RN, its CA index name and its structure diagram
OCC ---- Number of occurrence of hit term and fie ld in which it occurs
Index Terms (IT) are CAS Registry Numbers; Accession
Numbers (AN) CA References.
Index Terms in CAOLD include only Registry Numbers; no
subject terms are available. The same formats (except
SAMPLE) may be used with the DISPLAY ACC command to display
the record for a specified CAOLD Accession Number.
PAGE ---- Page Image of original Chemical Abstracts issue containing the
         abstract of the answer.
PAGE.PREV and PAGE.NEXT will return the image of the page before or after
          the current answer.
ENTER DISPLAY FORMAT (ALL):end
```

=> d all 123 tot

L23	ANSWER :	1 OF	3	HCAOLD	COPYRIGHT	2008	ACS	on	SIN	

L23 AN	ANSWER 1 OF CA64:7966q		COPYRIGHT 2008	ACS on SIN		
TI			ation and iden	tification of	nharmacauti.	cale = (VII)
AU				A.; Hoffmann,		
IT	52-62-0			57-94-3		
	62-46-4	64-65-3	67-45-8	68-91-7	69-44-3	77-36-1
	83-73-8	85-18-7	85-73-4	95-25-0	99-38-7	114-80-7
	116-38-1	118-23-0	125-33-7	126-07-8	127-60-6	129-50-0
	129-51-1	135-09-1	140-95-4	300-37-8	303-81-1	483-04-5
	509-67-1	523-87-5	553-06-0	599-88-2	635-32-5	826-39-1
	866-67-1	1010-59-9	1200-55-1	1212-78-8	1264-51-3	1381-02-8
	1808-12-4	1951-97-9	2079-78-9	2922-44-3	3325-66-4	
	3528-84-5	3569-99-1	4592-78-3	7248-28-4	7620-11-3	7640-29-1
	7640-30-4	7640-33-7	7640-35-9	7641-32-9	10099-42-0	10105-90-5
	11019-78-6	94625-66-8	106630-78-8			

| L23 ANSWER 2 OF 3 HCAOLD COPYRIGHT 2008 ACS ON STN AN CA63:6800a CAOLD | CA63:6800a CA6

L23 ANSWER 3 OF 3 HCAOLD COPYRIGHT 2008 ACS on STN AN CA62:9657d CAOLD TARREST ASSET ASSET

=> b reg
FILE 'REGISTRY' ENTERED AT 21:37:35 ON 08 JAN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 7 JAN 2008 HIGHEST RN 960112-28-1 DICTIONARY FILE UPDATES: 7 JAN 2008 HIGHEST RN 960112-28-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> d ide can 126 tot

```
126 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN
RN 1951-97-9 REGISTRY
ED Entered STR: 16 Nov 1984
CN Piperazine, phosphate (8CT, SCT) (CA INDEX NAME)
ED Entered STR: 16 Nov 1984
CN Piperazine, phosphate (8CT, SCT) (CA INDEX NAME)
CA #10 NZ x H 30 4 P
C #10 NZ x H 30 4 P

**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

#10 NZ x H 42 REFERENCES IN FILE CAPLUS (1301 TO DATE)
42 REFERENCES IN FILE CAPLUS (1301 TO DATE)
3 REFERENCES IN FILE CAPLUS (1301 TO DATE)
3 REFERENCES IN FILE CAPLUS (1301 TO DATE)
7 REFERENCE 1: 145:152690
REFERENCE 2: 143:249125
REFERENCE 4: 105:97426
REFERENCE 5: 105:17585
REFERENCE 6: 103:42732
REFERENCE 7: 102:105449
REFERENCE 9: 9: 9:28107
```

REFERENCE 10: 97:168993

```
=> d his
```

```
(FILE 'HOME' ENTERED AT 21:08:12 ON 08 JAN 2008)
     FILE 'HCAPLUS' ENTERED AT 21:08:32 ON 08 JAN 2008
L1
              1 US20060167256/PN
     FILE 'REGISTRY' ENTERED AT 21:08:55 ON 08 JAN 2008
     FILE 'HCAPLUS' ENTERED AT 21:08:55 ON 08 JAN 2008
L2
                TRA L1 1- RN :
     FILE 'REGISTRY' ENTERED AT 21:08:55 ON 08 JAN 2008
              3 SEA L2
L3
L4
                STR
             13 L4
1.5
L6
                STR L4
17
                STR L6
L8
              1 L7
                E PIPERAZINE/CN
L9
              1 E3
L10
        958692 46.383.1/RID
L11
              1 L7 SAM SUB=L8
                STR L4
T_{1}1.2
              5 L12 SAM SUB=L10
L13
L14
          10973 L12 FULL SUB=L10
                SAV TEM L14 J478C1/A
             93 L14 AND (H407P2 OR H304P)
T.15
L16
              2 L15 AND L3
    FILE 'HCAPLUS' ENTERED AT 21:29:30 ON 08 JAN 2008
            159 L15 AND (PD<=20040827 OR AD<=20040827 OR PRD<=20040827)
L17
L18
             14 L16
             12 L18 AND (PD<=20040827 OR AD<=20040827 OR PRD<=20040827)
L19
L20
              1 L19 AND L1
             11 L19 NOT L20
L21
             61 L17 AND L15 (L) PREP+NT/RL
L22
     FILE 'HCAOLD' ENTERED AT 21:33:40 ON 08 JAN 2008
L23
              3 L15
                SEL AN
                EDIT E1-E3 /AN /OREF
    FILE 'HCAPLUS' ENTERED AT 21:34:39 ON 08 JAN 2008
L24
              7 E1-3
L25
             18 L21,L24
    FILE 'REGISTRY' ENTERED AT 21:36:47 ON 08 JAN 2008
L26
             1 E4
=> b hcap
FILE 'HCAPLUS' ENTERED AT 22:07:03 ON 08 JAN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)
```

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 8 Jan 2008 VOL 148 ISS 2 FILE LAST UPDATED: 7 Jan 2008 (20080107/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification. $\label{eq:case2} % \begin{tabular}{ll} \end{tabular} % \begin{tabular}{ll} \end{tab$

=> d bib abs hitind hitstr 133 tot

```
L33 ANSMER 1 OF 3 HCAPLUS COPYRIGHT 2008 ACS ON STN
AN 2005.371235 HCAPLUS
D1 142:412276
TI High-purity piperarine pyrophosphate and method for producing same
Kinura, Ryoji, Musace, Hisashi; Nagahama, Masaru; Kaminoto, Tetsuo;
Nakano, Shinji
P Asahi Denka Co., Ltd., Japan
SO ECT Int. Appl., 17 pp.
D7 Edent
L4 Japanese
FAN.CNT 1
FAN.CNT 1
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE
                                                                        | COUNTY | C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NO.
               PRAI
               AB
               IC
               CC
               II
               IT
                                                                                             The property presents by composite the frequency against the state of the property of the prop
               IT
                                                                             plastics) (CA INDEX NAME) Diphosphoric acid, compd. with piperazine (1:1) (CA INDEX NAME)
                                                                                             CM 1
                                                                                                  CRN 2466-09-3
CMF H4 07 P2
                                                                                  ANSWER 2 OF 3 HCAPLUS COPYRIGHI 2008 ACS on STN 2001:782258 HCAPLUS 136:224668 Characterization of a new organic-cation monohydrogenmonophosphate dihydrate: C6H10N1RH04.2H20 Boouab, L.; Jouini, A. Bruite des Sciences de Monastir, Departement de Universite du Centre, Faculte des Sciences de Monastir, Departement de Cournal de Cournal de Cournal de Cournal de Cournal de Cournal de Sciences de Monastir, 5000, Tunisia 1053-1062 CODEN: 35CTDP; ISSN: 0253-1208 Societe Chinique de Tunisie (2001), 4(5), Journal J
               so
                                                                             CODEN. JSCTOP; ISSN: 0253-1208
Societe Chinique de Tunisie
Journal
English
Societe Chinique de Tunisie
Journal
English
               IT
                                                                                  CL Limits, Papileralinium hydrogen phosphate dihydrate)
402570-39-2P
RL: PRP (Properties); RCI (Reactanti; SPN (Synthetic preparation) ; PREP (Properties); RCI (Reactant); Control (Properties); RCI (Reactant); PREP (Properties); RCI (Reactant); SPN (Synthetic preparation) of)
402570-39-2 (Reactant); SPN (Synthetic preparation); PREP (Properties); RCI (Reactant); SPN (Synthetic preparation); PREP (Properties); RCI (Reactant); SPN (Synthetic preparation); Control (Properties); RCI (Reactant); SPN (Synthetic preparation); PREP (Properties); RCI (Reactant); SPN (Synthetic preparation); RCI (Reactant); RCI (Reactant); SPN (Synthetic preparation); RCI (Reactant); R
                                                                                                  CM 1
                                                                                             CRN 7664-38-2
CMF H3 O4 P
CM 2
                                                                                             CRN 108-49-6
CMF C6 H14 N2
```

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD

```
1.33 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)

HO OPOPOH
ON OH

CM 2

CRN 110-85-0

CMF C4 R10 N2

II 52978-33-3, Piperarine diphosphate
RL: RCI (Reactant); RACI (Reactant or reagent)
(high-purity phyerarine phycophosphate for fireproofing agents for
PN 52978-33-3 ECAPLUS
CN Piperarine, phosphate (1:2) (CA INDEX NAME)

CM 1

CNN 7664-38-2

CMF H3 04 P

HO OH
OH

CM 2

CRN 110-85-0

CMF C4 R10 N2

THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT
```

L33 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2008 ACS ON SIN ALL CITATIONS AVAILABLE IN THE RE FORMAT

```
1.33 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 1998:729545 HCAPLUS
AN 1998:729545 HCAPLUS
The recommendation of nonlinear amines into y-titanium phosphate
Empina, Ardnasur, Jainez, Enrique: Khainakov, Sergei A.; Trobajo, Camino;
Rodriguez, Julio; Garcia, Jose R.
Co Departamento de Quinica Organica e Inorqanica, Universidad de Oviedo,
Oviedo, 3071, Spain
CODEN: JMREER; ISSN: 0884-2914
B Materials Research Society
DT Journal
B Taglish
AB Tribanium Privation of amines (aniline, benrylamine, cyclohewylamine,
Piperidine, Pyridine, pyrazine, piperazine, naphthylamine, and indoline)
into y-Tri phosphate, Ti(H2904) [0901.2120, was studied by the
batch method and by exposing the host to amine vapor. The changes in the
interlayer distance of the solid during the intercalation process were
Constructed by phemical and thermal and the spectroscopy, Materials
with a monolaminar and/or bilaminar arrangement of amine mols. in the
phosphate interlayer region were obtained, as a function of the amine
nature. The thermal decomposition of the intercalates (N atmospheric) takes place in
three stages: dehydration, unclassified; FORM (Formation,
not the stages of the solid and the security of the composition of the intercalate of the composition of the intercalate of the composition of the intercalate of the composition of the composit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   L33 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)
                                                            CM 1
                                                            CRN 7664-38-2
CMF H3 04 P
   но-р-он
                                                      CM 2
                                                         CRN 110-85-0
CMF C4 H10 N2
```

RE.CNT 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his 127-

(FILE 'HCAOLD' ENTERED AT 21:37:03 ON 08 JAN 2008)

FILE 'REGISTRY' ENTERED AT 21:37:35 ON 08 JAN 2008

FILE 'HCAPLUS' ENTERED AT 21:58:42 ON 08 JAN 2008 E DEHYDRATION/CT

E E3+ALL

21710 E2+NT L27

E E3+ALL L28 27969 E3+OLD

E DEHYDRATION, PHYSIOLOGICAL/CT

E E3+ALL

21804 E3+OLD

L29 L30 2 L22 AND L27-29 1 L15 (L) FORM+NT/RL 0 L31 AND L27-29 L31 L32

L33 3 L30-31

FILE 'HCAPLUS' ENTERED AT 22:07:03 ON 08 JAN 2008

=>